TITLE: Polyacetal base resin compsn. with dispersed
polyolefin resin - having
improved acid resistance, fusibility with polyolefin resin
and mechanical
properties

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PATENT-ASSIGNEE: POLYPLASTICS KK[POPL]

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PATENT-FAMILY:

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WO 9213028 A1	August 6, 1992	J	023	C08J 003/20
JP 2854150 B2	February 3, 1999	N/A	007	C08J 003/20
JP 04252232 A	September 8, 1992	N/A	007	C08J 003/20
EP 522180 A1	January 13, 1993	E	013	C08J 003/20
BR 9203917 A	June 8, 1993	N/A	000	C08J 003/20
TW 236626 A	December 21, 1994	N/A	000	C08K 003/00
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DESIGNATED-STATES: BR CA KR US AT BE CH DE DK ES FR GB GR
IT LU MC NL SE AT BE C
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159904 ; US 4649172

APPLICATION-DATA:

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WO 9213028A1        N/A               1992WO-JP00077
      January 28, 1992
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      January 28, 1991
JP 2854150B2        Previous Publ.    JP 4252232
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EP 522180A1         N/A               1992WO-JP00077
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EP 522180A1         Based on          WO 9213028
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BR 9203917A         N/A               1992BR-0003917
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BR 9203917A         N/A               1992WO-JP00077
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BR 9203917A         Based on          WO 9213028
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TW 236626A          N/A               1992TW-0100591
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ABSTRACTED-PUB-NO: WO 9213028A
BASIC-ABSTRACT: Compsn. has a network structure in which
components (A) and (B)
are dispersed in each other. (A) is a polyacetal resin
which acts as a matrix.
(B) is a polyolefin resin. When (A) is melt mixed with
(B), a filler (C) is
added in an amt. such that the relations given by equations
$(B)/(A+B) =$
0.05-0.5 (wt.) (pref. 0.10-0.40 wt.) (1) and $(C)/(B+C) =$
0.1-0.7 (wt.) (2) are
satisfied. (C) has a surface tension which is at least
greater than that of
(B) at the melt mixing temp. and a mean particulate dia. of
0.05-50 microns.

(B) is pref. polyethylene or a copolymer comprising
polyethylene as major

component. (C) can be glass fibre, asbestos fibre, silica fibre, silica,
alumina fibre, zirconia fibre, boron nitride fibre, silicon nitride fibre, B
fibre, potassium titanate fibre, etc. or C black, silicate, glass beads, glass
balloon, glass powder, talc, etc.. (C) can also be a resin such as aromatic
polyester resin, aromatic polyamide resin, aromatic polyimide resin,
polystyrene resin, acrylic resin, epoxy resin, etc..

USE/ADVANTAGE - The method is simple and is low cost. The mould obtd. from the
compsn. retains the properties of polyacetal and has improved resistance
against acid, fusibility with polyolefin resin and mechanical propertie

CHOSEN-DRAWING: Dwg.0/3

TITLE-TERMS:
POLYACETAL BASE RESIN COMPOSITION DISPERSE POLYOLEFIN RESIN IMPROVE ACID
RESISTANCE FUSE POLYOLEFIN RESIN MECHANICAL PROPERTIES

DERWENT-CLASS: A17 A25

CPI-CODES: A04-G01B; A05-H03A; A07-A04E; A08-R01;

UNLINKED-DERWENT-REGISTRY-NUMBERS: 1521U; 1541U ; 1544U ; 1668U ; 1694U ; 1893U
; 5023U ; 5085U ; 5213U ; 5214U ; 5311U

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0009 0011 0016 0020 0045 0069 0072 0075 0171 0205 0218 0219 0224
0226 0232 0233 0239 0240 0304 0486 0487 1275 1282 1283 1285 1291 1511 2208 2211
2214 2215 2217 2218 2219 2220 2266 2315 2321 2332 2334 2510 2541 2545 2599 2607
2612 2617 2621 2629 2635 2662
Multipunch Codes: 014 02& 032 034 040 041 046 047 055 056 06- 07& 074 08& 080
081 09& 09- 10& 138 141 143 144 15- 151 180 20- 226 229 247 27- 305 307 308 309
310 311 314 329 364 365 392 393 394 396 437 44& 441 476 531

541 545 551 556 560
567 573 597 603 654 681 684 688 721 722 723
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